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Attorney Docket No.: FMCE-P145

In the Claims:

NOV 17 2008

1 (currently amended): A control system for a subsea installation, the control system comprising:

a control module;

a common bus which is connected to the control module and which comprises at least one cable unit; and

a plurality of devices which are each removably connectable to the common bus;

wherein each device comprises a bus controller having a unique address;

wherein the control module comprises means for communicating with each device over the common bus; and

wherein the common bus further comprises ~~at least one from the group consisting of an end termination and a repeater, each of which is~~ removably connectable to the cable unit.

2 (canceled).

3 (previously amended): A control system according to claim 1, wherein the cable unit comprises a cable having at least one electrical connector at each end.

4 (previously amended): A control system according to claim 1, wherein the common bus further comprises at least one distribution hub which is removably connectable to the cable unit.

5 (canceled).

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6 (canceled).

7 (canceled).

8 (previously amended): A control system according to claim 3, wherein said at least one electrical connector is removably connectable to at least one of said plurality of devices.

9 (previously amended): A control system according to claim 1, wherein the common bus comprises a CAN bus.

10 (previously amended): A control system according to claim 1, wherein at least one of said plurality of devices comprises a battery.

11 (previously amended): A control system according to claim 1, wherein at least one of said plurality of devices comprises an electro-hydraulic pod.

12 (previously amended): A control system according to claim 1, wherein at least one of said plurality of devices comprises an actuator.

13 (previously amended): A control system according to claim 1, wherein at least one of said plurality of devices comprises a sensor.

14 (canceled).

15 (canceled).

16 (previously amended): A control system for a subsea installation which comprises:

a control module;

a common bus which is connected to the control module and which comprises at least one cable unit; and

a plurality of devices which are each removably connectable to the

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cable unit;

wherein each device comprises a bus controller having a unique address;

wherein the control module comprises means for communicating with each device over the common bus;

wherein said cable unit comprises a junction, at least one electrical connector and at least two control signal supply cables extending between said junction and said electrical connector; and

wherein said at least two control signal supply cables are electrically joined at said electrical connector.

17 (previously amended): A control system according to claim 16, wherein said cable unit further comprises at least two control signal return cables extending between said junction and said electrical connector.

18 (canceled).

19 (previously amended): A control system for a subsea installation which comprises:

a control module;

a common bus which is connected to the control module and which comprises at least one cable unit; and

a plurality of devices which are each removably connectable to the cable unit;

wherein each device comprises a bus controller having a unique address;

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wherein the control module comprises means for communicating with each device over the common bus;

wherein said cable unit comprises a junction, at least one electrical connector and at least two control signal cables; and

wherein each of said control signal cables comprises a current loop which is routed through each said electrical connector and said junction.

20 (previously amended): A control system according to claim 3, wherein at least one electrical connector comprises a female connector.

21 (previously amended): A control system according to claim 3, wherein at least one electrical connector comprises a male connector.

22 (previously amended): A control system according to claim 3, wherein at least one electrical connector comprises a signal termination component.